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'EXAMINER' INITIAL	REP	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS		G DATE OPRIATE
icah		5,029,768	07/09/1991	Asbury	et al.	- 	_		
rul		5,624,526	04/29/1997	Perecm	an et al.				-
crh		5,775,629	07/07/1998	Cyr			_	<u> </u>	-
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		U.	S. PAGEN	r DOCUMENTS			
*EXAMINER	DOCUMENT NUMBER	OXIDEMO		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
icul	4,772,489	02/02/88	Womm	ier	_		
cenh.	5,501,763	03/26/96	Ueda e	t al.		11	W. S. V.
conh	6,013,148	01/11/00	Bluem	le ·		I IC	7877
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<u> </u>		FOR	EIGN PAT	ENT DOCUMENTS		<u> </u>	TRANSLATION
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	IF APPROPRIATE	
cnh		2,987,108	06/06/61	Kilmar	tin	*			
cuh		3,939,032	02/17/76	Taitel e	t al.	_	1281		
cuh		4,106,974	08/15/78	Hirsch			JUN,	O SEP	
cul		4,120,739	10/17/78	Peeters	et al.	_	1e,	2002	
cnh		4,157,934	06/12/79	Ryan e	al.			00	
only		4,190,483	02/26/80	Ryan e	tal.	_			
ouh		4,450,039	05/22/84	Salvuco	i et al.				
ouh		4,481,053	11/06/84	Tokund	et al.				
culi		4,589,943	05/20/86	Kimba	Kimball et al.				
culi		4,720,320	01/19/88	Niemi			_		
culi		4,668,328	05/26/87	Kyytso	nen		_		
			FORE	EIGN PATI	ENT DOCUMENTS		<u>.</u>		
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cul	3,886,033	05/27/75	MacDo	nald et al.	14	_	IF APPROPE	IIAIE	
cul	4,120,034	10/10/78	Fisk et	al.	·		_	-	
al	4,181,558	01/01/80	Neubro	onner	RE	CFIV	ED -		
al	4,332,635	06/01/82	Holbro	ook et al.	_	N.1 9 200	-6	-	
al	4,405,066	09/20/83	Roccaf	orte	-7	470			
cul	4,506,816	03/26/85	Roccaf	orte		110	_		
cul	4,580,709	04/08/86	Roccaf	orte				_	
anl	4,925,521	05/15/90	Asbury	y et al.			_		
cul	5,021,111	06/04/91	Swenson						
cl	5,415,716	05/16/95	Kendall				_		
al	5,078,311	01/07/92	Tagucl	hi et al.	_	_	_		
		FORI	EIGN PAT	ENT DOCUMENTS					
	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSI YES	ATION NO	
cul	EP 0 776 848 A2	11/29/95	Europ	e	ſ				
cul	JP 8-309890	11/26/96	Japan				Abstract		
al	GB 2 315 041	01/21/98	United	Kingdom		_			
ar	WO 96/35574	11/14/96	PCT		_	_			
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cenh	5,839,634	11/24/98	Pollard	l et al.		 	н	OPRIATE .'
ial	5,947,360	09/07/99	Frank		BE	- FIV	En-	
vail	6,173,876	01/16/01	Sano et	t al.	JUI	N 1 9 2002		
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INFORMATION DISCLOSUR APPLICANT	E STATEMENT BY	Applicant James Hartman	
(37 C.F.R. §1.98(b))		Filing Date October 30, 2001	Group Art Unit

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		U.S	S. PATENT	DOCUMEN	NTS	·	
Examiner Initials	I.D.	Patent Number	Issue Date	Patentee	Class	Sub Class	Filing Date if Appropriate
col	AA	4,795,510	01/03/89	Wittrock et al.	156	64	
cul	AB	4,917,327	04/17/90	Asbury et al.	242	156	
raul	AC	5,573,626	11/12/96	Rossini et al.	156	361	
cal	AD	5,692,699	12/02/97	Weirauch et al.	242	556.1	_
cul	AE	5,913,991	06/22/99	Kubota et al.	156	64	
al	AF	6,007,660	12/28/99	Forkert	156	256	
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FOR	FOREIGN PATENT DOCUMENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS								
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